them—are literally **double** teeth* This Is a **suggestion,** of **the** more **complicated** teeth of the **Zeuglodonts, and shows** so far tiiat the **simple** conical teeth of existing **Whales 'cf.** however the Platanistidae) are *not* **by** any **ihanrier of means so primitive as their** actual structure would **undoubtedly** lead one **to lj»elieve. Further** than **this, the greater number of teeth in the older** embryo coincided **with the disappearance** of these double **teeth*** which seem to split up into **the simple** conical **teeth.**

The Toothed **Whales** are not **furnished with** baleen, but with teeth only* These teeth are more or less **numerous, their** arrangement being of value in the **classification of** the group; a matter **which** is dealfe **with later.**

In **the** Narwhal, whose **dentition in the adult** is reduced to the **well-known** tusk or tasks (properly developed only in the male), there is a **complete foetal** dentition. A very curious **fact** lias been, elucidated by **Professor Kukenthal alout** the dentition of the **Common** Porpoise. It appears that In **this** Cetacean the two teetli corresponding to each other of the two dentitions may fuse into a single tooth, which has in **consequence a** double crown. It may be tfaafe **this** is **the** case with **the Platanistid *Inia,*** and that its **diconodonfc** teeth are **not, therefore, a reminiscence** of tiie comparatively complicated teeth of the ancient Zeuglodonts.

The internal organs of Whales which show the greatest peculiarities as compared with other mammals are the stomach, the lungs, and the diaphragm. Whales always possess a com-plicated stomach divided into many, but into a variable **number** of, chambers: there are as few as four in some, as many as fourteen in **Ziphioids.**

On account of its complication the stomach[1] lias been compared to that of Ruminants—it has eyen been alleged that Whales " ruminate "—but the comparison will not hold good. *NOT,* on the other hand, is there a -very close resemblance to the equally-complicated stomach of the Sireniana

The Rorqual has a stomach with as few compartments **as** any. The only "Whale which appears to have fewer is ***JSalaena vnysticefas,*** where there are but three* In the Rorqual the oesophagus opens

into a more or less globular sac**; from** the upper end of this, **t,e.** close to the entry of the oesophagus, arises the second chamber* long and narrowish; then follows an extremely short third

* For details and literature see Jiw&klaiLS* Jfeft* *ZeitscJi-r.* xxni. 1S9S, p. 1*